

DERWENT-ACC-NO: 2000-148540
DERWENT-WEEK: 200014
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TITLE: Wood-veneered steering wheel comprises metal core, foam casing, plastic shell and veneer with external coating, forming damage- and temperature resistant assembly

INVENTOR: GROSSMANN, G

PATENT-ASSIGNEE: GROSSMANN GMBH[GROSN]

PRIORITY-DATA: 1998DE-1033333 (July 24, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
DE 19833333 A1	January 27, 2000	N/A
B62D 001/06		005

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
DE 19833333A1	N/A	1998DE-1033333
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INT-CL_(IPC): B29C044/14; B29C069/00 ; B62D001/06

ABSTRACTED-PUB-NO: DE 19833333A /
BASIC-ABSTRACT: NOVELTY - A plastic shell (8) intervenes between the casing (7) and outer wood veneer (9), which is closed over the entire circumference, the wood veneer being adhered to it.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for the method of making the steering wheel. The metal core (6) is encased in plastic foam and the shell is applied by injection molding or spraying. The veneer is adhered. Preferred features: The veneer is externally coated by painting or varnishing. Shell and coating (10) have approximately the same coefficient of thermal expansion. The casing is applied by foaming-on, in a mold.

USE - To make a wood-veneered, metal-cored steering wheel.

ADVANTAGE - The foam damps vibration for more comfortable holding. The structure confers a degree of protection to the veneer, from external forces. The shell helps to ensure the integrity of the thin wood veneer. Polyurethane is suitable as the foam. The paint finish and shell have the same coefficient of thermal expansion, to resist damaging effects of temperature change, which may occur in the range -30 deg. C to +90 deg. C.

DESCRIPTION OF DRAWING(S) - Structure of the outer wheel periphery is shown in cross-section.

metal core 6

casing 7

plastic shell 8

wood veneer 9

coating 10

CHOSEN-DRAWING: Dwg.2/2

TITLE-TERMS:

WOOD VENEER STEER WHEEL COMPRISE METAL CORE FOAM CASING PLASTIC SHELL VENEER
EXTERNAL COATING FORMING DAMAGE TEMPERATURE RESISTANCE ASSEMBLE

DERWENT-CLASS: A32 A95 Q22

CPI-CODES: A11-B06A; A12-S04; A12-T04D;

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1]

018 ; P1592*R F77 D01 ; S9999 S1309*R ; S9999 S1434

Polymer Index [1.2]

018 ; ND01 ; ND07 ; N9999 N6086 ; N9999 N6440*R ; K9416 ;

K9676*R

; K9574 K9483 ; K9609 K9483 ; N9999 N7192 N7023 ; Q9999

Q7818*R

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B4682 B4568 ; B9999 B5538 B5505

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C2000-046707

Non-CPI Secondary Accession Numbers: N2000-109924